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(71) Applicant (for all designated States except US):
KOWA CO., LTD. [JP/JP]; 6-29, NISHIKI 3-CHOME,
NAKA-KU, NAGOYA-SHI, Aichi 460-8625 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MATAKI, Chikage
[JP/JP]; 133-12, HEIRAKU, MINAMI-KU, YOKO-
HAMA-SHI, Kanagawa 232-0035 (JP). KODAMA,
Tatsuhiko [JP/JP]; 16-5, SHIMOUMA 4-CHOME,
SETAGAYA-KU, Tokyo 154-0002 (JP). DOI, Takeshi
[JP/JP]; 17-43-36, NOGUCHI-CHO 2-CHOME, HI-
GASHIMURAYAMA-SHI, Tokyo 189-0022 (JP).
TAMURA, Masahiro [JP/JP]; 1601-11-1304, OGAWA,
MACHIDA-SHI, Tokyo 194-0003 (JP). ODA, Toshiaki
[JP/JP]; 16-12-302, HONCHO 2-CHOME, HIGASHIMU-
RAYAMA-SHI, Tokyo 189-0014 (JP). YAMAZAKI,
Yukiyo [JP/JP]; 12-13-406, HONCHO 1-CHOME,
HIGASHIMURAYAMA-SHI, Tokyo 189-0014 (JP).

NISHIKAWA, Masahiro [JP/JP]; 17-43-405, NOGUCHI-
CHO 2-CHOME, HIGASHIMURAYAMA-SHI, Tokyo
189-0022 (JP). TAKEMURA, Shunji [JP/JP]; 31-18,
OWADA-MACHI 5-CHOME, HACHIOJI-SHI, Tokyo
192-0045 (JP). OHKUCHI, Masao [JP/JP]; 9-5,
NAKAARAI 3-CHOME, TOKOROZAWA-SHI, Saitama
359-0041 (JP).

(74) Agent: THE PATENT CORPORATE BODY ARUGA
PATENT OFFICE; KYODO BLDG., 3-6, NIHON-
BASHININGYOCHO 1-CHOME, CHUO-KU, Tokyo
103-0013 (JP).

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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
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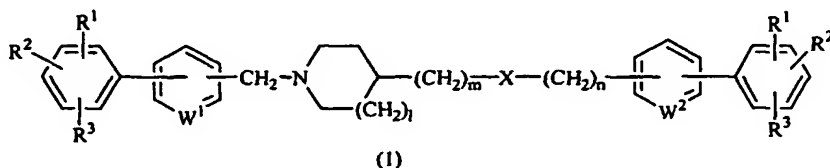
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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
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Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MEDICINE FOR TREATING CANCER



effective amount of a cyclic amine compound represented by the following formula (1): (wherein R₁, R₂, and R₃ each independently represent a hydrogen atom, a halogen atom, a hydroxy group, an alkyl group, a halogen-substituted alkyl group, an alkoxy group, an alkylthio group, a carboxyl group, an alkoxy carbonyl group, or an alkanoyl group; W₁ and W₂, which are identical to or different from each other, represent N or CH; X represents O, NR₄, CONR₄, or NR₄CO; R₄ represents a hydrogen atom, an alkyl group, an alkenyl group, an alkynyl group, a substituted or unsubstituted aryl group, a substituted or unsubstituted heteroaryl group, a substituted or unsubstituted aralkyl group, or a substituted or unsubstituted heteroaralkyl group; and l, m, and n each represent a number of 0 or 1), a salt thereof, or a hydrate thereof. 208

(57) Abstract: Abstract The present invention is directed to a method for treating cancer, a method for inhibiting histone deacetylase, and a method for facilitating gene therapy, comprising administering an

WO 03/086397 A1

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP03/04602

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ A61K31/4545, 31/4468, A61P35/00, C07D401/14, 401/06, 405/14, 401/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A61K31/4545, 31/4468, A61P35/00, C07D401/14, 401/06, 405/14, 401/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Japanese Utility Model Gazette 1926-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2001, Japanese Registered Utility Model Gazette 1994-2001, Japanese Gazette Containing the Utility Model 1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAPLUS (STN), REGISTRY (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PA	US 6395753 B1 (KOWA CO., LTD) 2002.05.28, Whole document, (Family:none)	1-45
A	EP 0774257 A2 (KOWA CO., LTD) 1997.05.21, Claims 1-10, Page 2 Line 7-10 & JP 09-143075 A	1-45

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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Japan Patent Office

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

Authorized officer

KIMITAKA MURAKAMI

Telephone No. +81-3-3581-1101 Ext. 3452

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 46-60
because they relate to subject matter not required to be searched by this Authority, namely:

The subject matter of claims 46-60 relates to a method for treatment of the human body by therapy, which does not require an intentional search by the International Searching Authority in accordance with PCT Article 17(2)(a)(i) and [Rule 39.1(iv)].
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐

The additional search fees were accompanied by the applicant's protest.

☐

No protest accompanied the payment of additional search fees.